

RF exposure requirements – FCC ID: NCMOMO0402

Dear Examiner,

MO0402 is marketed without defined antenna. According to the limit in 47 CFR 1.1310, we get the value of the maximum antenna gain as follow:

The maximum measured power output in the 1900 MHz band is 1023.29 mW (30.1 dBm, see 7layers test report MDE_OPTI_0807_FCCc_FCC24).

The maximum permissible exposure is defined in 47 CFR 1.1310 with 1 mW/cm².

The transmitter is using indoor antennas that operate at 20 cm or more from nearby persons.

The maximum antenna gain G is calculated using the general equation:

$$S = P \cdot G / 4\pi R^2$$

$$S = 1 \text{ mW/cm}^2$$

$$P = 1023.29 \text{ mW}$$

$$R = 20 \text{ cm}$$

$$\pi = 3.1416$$

Solving for G; the maximum antenna gain is 6.9127 dBi.

Best Regards
7 layers AG

A handwritten signature in blue ink that reads "i. A. Oliver Wagener".

Oliver Wagener